

Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard Communication Standard.  
29 CFR 1910.1200. Standard must be consulted  
for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

**IDENTITY (As Used on Label and List)**  
**Bonide Fish Emulsion**

Date: December 9, 1999

**Section I**

Bonide Products, Inc.  
2 Wurz Ave.  
Yorkville, NY 13495

(800) 424-9300  
(315) 736-8231

**Section II - Hazardous Ingredients/Identity**

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH	TLV	Other Limits	% (Optional )
Total Nitrogen					2
.5% Water Insoluble Nitrogen					
1.5% Water Soluble Nitrogen					
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )					4
Soluble Potash (K <sub>2</sub> O)					0.5
Active Ingredients: North Atlantic Fish					

**Section III - Physical/Chemical Characteristics**

BOILING POINT (Water): 212°F	SPECIFIC GRAVITY (H <sub>2</sub> O = 1): Approx. 1.10
VAPOR PRESSURE (mm Hg): NA	MELTING POINT: NA
VAPOR DENSITY (Air = 1): NA	EVAPORATION RATE (Butyl Acetate = 1): 1
SOLUBILITY IN WATER: Infinite	APPEARANCE AND ODOR: Dark liquid, "Fishy" odor

**Section IV - Fire/Explosion Hazard Data**

FLASH POINT: N/A	FLAMMABILITY: N/A
FIRE FIGHTING COMMENTS: This material is non-combustible. Use media adequate for surrounding fire.	
UNUSUAL FIRE/EXPLOSION HAZARD: None	

**Section V - Reactivity Data**

STABILITY: Stable	INCOMPATIBILITY (Materials to Avoid): Not Known
HAZARDOUS POLYMERIZATION: Will not occur.	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Thermal Decomposition: Possibly some ammonia, carbon monoxide & phosphorus.	

**Section VI - Health Hazard Data**

SIGNS AND SYMPTOMS OF EXPOSURE: Mild irritation with repeated contact.	
INHALATION: Only slightly irritating.	
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None	
EMERGENCY AND FIRST AID PROCEDURES: SKIN AND EYES: Flush with copious amounts of water.	
INHALATION: Remove to fresh air (outdoors). INGESTION: Do not induce vomiting. Drink plenty of water for Dilution. Get medical attention if illness persists.	

**Section VII - Spill or Leak Procedures**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SMALL SPILLS: Flush down sewer with plenty of water.	
LARGE SPILLS: Contain spill with absorbent, dispose in sanitary landfill or consult local authorities.	
WASTE DISPOSAL METHOD: As above.	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry place.	
OTHER PRECAUTIONS: Handle in accordance with good industrial hygiene and safety practices.	

**Section VIII - Spill or Leak Procedures**

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RESPIRATORY PROTECTION (Specify Type): None needed with adequate ventilation.

PROTECTIVE GLOVES: Latex, butyl or neoprene.

EYE PROTECTION: Avoid eye contact or wear safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not needed when handled in a safe manner.

**KEEP OUT OF REACH OF CHILDREN****ABBREVIATION KEY**

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N/A: NOT AVAILABLE OR APPLICABLE

N/E: NOT ESTABLISHED

TLV: THRESHOLD LIMIT VALUE

TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

STEL: SHORT TERM EXPOSURE LIMIT

D.O.T.: DEPARTMENT OF TRANSPORTATION

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Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.